

Please enter the following amendment in the above application prior to examination.

IN THE CLAIMS:

Please cancel claims 1, 4, 8, 9 and add new claims 10-119, as follows:

10. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to a first position aligned with said disk-reading position along a first straight line path in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said first position within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane, said first

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position being substantially fixed relative to said disk-reading position, despite a displacement of said one of said magazine and said transport plane.]

11. A device as in claim 10, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

12. A device as in claim 11, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

13. A device as in claim 10, wherein said second disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said second straight line path.

14. A device as in claim 13, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

15. A device as in claim 13, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

16. A device as in claim 15, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

17. A device as in claim 10, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

18. A device as in claim 10, wherein said second straight line path lies in said transport plane.

19. A disk storage and playback device comprising:
a chassis;

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a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to a first position aligned with said disk-reading position along a first straight line path in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said first position within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane;

said selected one of said disks being disengageable, while at said first position, from said first disk conveying means to permit reading by said disk reader.

20. A device as in claim 19, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

21. A device as in claim 20, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

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22. A device as in claim 19, wherein said second disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said second straight line path.

23. A device as in claim 22, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

24. A device as in claim 22, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

25. A device as in claim 24, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

26. A device as in claim 19, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

27. A device as in claim 19, wherein said second straight line path lies in said transport plane.

28. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

a disk conveyor with at least one drive element engageable with a selected one of said disks and movable in at least one range such as to transport said selected one of said disks from said magazine to a first position aligned with said disk-reading position, along a first straight line path, in a transport

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plane parallel to a primary plane of said selected one of said disks, transported along said first straight line path, and such as to transport a disk not stored in said magazine in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said first position within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane, said first position being substantially fixed relative to said disk-reading position, despite a displacement of said one of said magazine and said transport plane.

29. A device as in claim 28, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

30. A device as in claim 29, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

31. A device as in claim 28, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said second straight line path.

32. A device as in claim 31, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

33. A device as in claim 31, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

34. A device as in claim 33, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

35. A device as in claim 28, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

36. A device as in claim 28, wherein said second straight line path lies in said transport plane.

37. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

a disk conveyor with at least one drive element engageable with a selected one of said disks and movable in at least one range such as to transport said selected one of said disks, from said magazine to a first position, aligned with said disk-reading position, along a first straight line path, in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path, and such as to transport said selected one of said disks in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said first position within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane;

said selected one of said disks being disengageable, while at said first position, from said at least one drive element to permit reading by said disk reader.

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38. A device as in claim 37, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

39. A device as in claim 38, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

40. A device as in claim 37, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said second straight line path.

41. A device as in claim 40, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

42. A device as in claim 40, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

43. A device as in claim 42, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

44. A device as in claim 37, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

45. A device as in claim 37, wherein said second straight line path lies in said transport plane.

46. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

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a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to a first position aligned with said disk-reading position along a first straight line path in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said magazine within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane, said first position being substantially fixed relative to said disk-reading position, despite a displacement of said one of said magazine and said transport plane.

47. A device as in claim 46, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

48. A device as in claim 47, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

49. A device as in claim 48, wherein said second disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said second straight line path.

50. A device as in claim 49, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

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51. A device as in claim 49, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

52. A device as in claim 52, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

53. A device as in claim 46, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

54. A device as in claim 46, wherein said second straight line path lies in said transport plane.

55. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to a first position aligned with said disk-reading position along a first straight line path in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said magazine within said disk storage and playback device; and

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means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane;
said selected one of said disks being disengageable, while at said first position, from said first disk conveying means to permit reading by said disk reader;

56. A device as in claim 55, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

57. A device as in claim 56, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

58. A device as in claim 57, wherein said second disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said second straight line path.

59. A device as in claim 58, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

60. A device as in claim 58, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

61. A device as in claim 60, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

62. A device as in claim 55, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

63. A device as in claim 55, wherein said second straight line path lies in said transport plane.

64. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

a disk conveyor with at least one drive element engageable with a selected one of said disks and movable in at least one range such as to transport said selected one of said disks from said magazine to a first position, aligned with said disk-reading position, along a first straight line path, in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path, and such as to transport said selected one of said disks in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said magazine within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane, said first position being substantially fixed relative to said disk-reading position, despite a displacement of said one of said magazine and said transport plane.

65. A device as in claim 64, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

66. A device as in claim 65, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

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67. A device as in claim 64, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said second straight line path.

68. A device as in claim 67, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

69. A device as in claim 67, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

70. A device as in claim 69, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

71. A device as in claim 64, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

72. A device as in claim 64, wherein said second straight line path lies in said transport plane.

73. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

a disk conveyor with at least one drive element engageable with a selected one of said disks and movable in at least one range such as to transport said selected one of said disks from said magazine to a first position, aligned with said disk-reading position, along a first straight line path, in a transport

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plane parallel to a primary plane of said selected one of said disks transported along said first straight line path, and such as to transport said selected one of said disks in a second straight line path beginning at an access position at least partly outside said disk storage and playback device to said magazine within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane;

said selected one of said disks being disengageable, while at said first position, from said at least one drive element to permit reading by said disk reader.

74. A device as in claim 73, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

75. A device as in claim 74, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

76. A device as in claim 73, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said second straight line path.

77. A device as in claim 76, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

78. A device as in claim 76, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

79. A device as in claim 78, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

80. A device as in claim 73, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

81. A device as in claim 73, wherein said second straight line path lies in said transport plane.

82. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to an access position along a first straight line path in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning at said access position, located at least partly outside said disk storage and playback device, to a first position aligned with said disk-reading position within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane, said first position being substantially fixed relative to said disk-reading position, despite a displacement of said one of said magazine and said transport plane.

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83. A device as in claim 82, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

84. A device as in claim 83, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

85. A device as in claim 82, wherein said second disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said second straight line path.

86. A device as in claim 85, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

87. A device as in claim 85, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

88. A device as in claim 87, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

89. A device as in claim 82, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

90. A device as in claim 82, wherein said second straight line path lies in said transport plane.

91. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

first disk conveying means for transporting a selected one of said disks from said magazine to an access position along a first straight line path in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path;

second disk conveying means for transporting a disk not stored in said magazine in a second straight line path beginning at said access position, located at least partly outside said disk storage and playback device, to a first position aligned with said disk-reading position within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane;

said selected one of said disks being disengageable, while at said first position, from said first disk conveying means to permit reading by said disk reader.

92. A device as in claim 91, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

93. A device as in claim 92, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

94. A device as in claim 91, wherein said second disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said second straight line path.

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95. A device as in claim 94, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

96. A device as in claim 94, wherein said first disk conveying means includes means for transporting said selected one of said disks in forward and reverse directions along said first straight line path.

97. A device as in claim 96, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

98. A device as in claim 91, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

99. A device as in claim 91, wherein said second straight line path lies in said transport plane.

100. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

a disk conveyor with at least one drive element engageable with a selected one of said disks and movable in at least one range such as to transport said selected one of said disks from said magazine to an access position along a first straight line path, in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path, and such as to transport said selected one of said disks in a second straight line path beginning at said access position, located at least partly outside said disk

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storage and playback device, to a first position aligned with said disk-reading position within said disk storage and playback device; and
means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane, said first position being substantially fixed relative to said disk-reading position, despite a displacement of said one of said magazine and said transport plane.

101. A device as in claim 100, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

102. A device as in claim 101, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

103. A device as in claim 100, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said second straight line path.

104. A device as in claim 103, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

105. A device as in claim 103, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

106. A device as in claim 105, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

107. A device as in claim 100, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

108. A device as in claim 100, wherein said second straight line path lies in said transport plane.

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109. A disk storage and playback device comprising:

a chassis;

a magazine nondetachably carried by said chassis, said magazine including means for receiving a plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

a disk conveyor with at least one drive element engageable with a selected one of said disks and movable in at least one range such as to transport said selected one of said disks from said magazine to an access position along a first straight line path, in a transport plane parallel to a primary plane of said selected one of said disks transported along said first straight line path, and such as to transport said selected one of said disks in a second straight line path beginning at said access position, located at least partly outside said disk storage and playback device, to a first position aligned with said disk-reading position within said disk storage and playback device; and

means for displacing at least one of said magazine and said transport plane to bring said selected one of said disks into said transport plane;

said selected one of said disks being disengageable, while at said first position, from said at least one drive element to permit reading by said disk reader.

110. A device as in claim 109, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

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111. A device as in claim 110, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

112. A device as in claim 109, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said second straight line path.

113. A device as in claim 112, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

114. A device as in claim 112, wherein said drive element is movable in forward and reverse directions such as to transport said selected one of said disks in forward and reverse directions along said first straight line path.

115. A device as in claim 114, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

116. A device as in claim 109, wherein an entirety of said first straight line path is defined by the intersection of mutually perpendicular planes.

117. A device as in claim 109, wherein said second straight line path lies in said transport plane.

118. A disk storage and playback device comprising:

a chassis;

a plurality of subframes, each of said subframes including means for receiving a single one of a plurality of disks;

a magazine nondetachably carried by said chassis, said magazine including means for receiving said plurality of subframes such as to hold said plurality of substantially planar disks in a concentric array;

a disk reader for reading one of said disks when said one of said disks is in a disk-reading position;

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first disk conveying means for transporting a selected one of said disks from said magazine to said disk-reading position along a straight line path in a transport plane parallel to a primary plane of said disk transported along said straight line path;

second disk conveying means for transporting a disk not stored in said magazine from a first position to said disk-reading position;

means for displacing said magazine to bring a selected one of said disks into said transport plane;

and

a main frame for receiving a single one of said subframes;

said main frame being movably carried by said chassis for movement between said first position and a second position whereat access is provided to a subframe received therein such that a disk may be one of inserted therein and removed therefrom.

119. A disk storage and playback device comprising:

a chassis;

an n quantity of subframes, each of said subframes being adapted to receive a single disk;

a magazine, nondetachable, carried by said chassis, said magazine being adapted to receive n quantity of said subframes;

a mainframe;

n-1 of said subframes being received in said magazine when one of a subframes is received in said mainframe;

a disk reader adapted to read one of said disks when said disk is in a disk-reading position;